

What we claim is:

1. An apparatus for culture comprising a container having at least one concave part and at least one member (x) selected from the group consisting of a gelatinous material, a sponge material, and a mesh material, wherein the member (x) is placed within the concave part of the container, has at least one hollow by which a part or parts of a surface of the container in the concave part is bared, and holds a solution containing culture medium components.
2. The apparatus according to claim 1, wherein the solution containing culture medium components further comprises at least one substance to be examined.
3. The apparatus according to claim 1, wherein the container is a laboratory dish for culture or a multi-well plate.
4. The apparatus according to claim 1, wherein the member (x) is a gelatinous material that has been made by gelatinizing an aqueous solution of at least one member selected from the group consisting of agar, an agarose, and a cellulose derivative.
5. The apparatus according to claim 2, wherein the substance to be examined is selected from the group consisting of a medicine, a nutrient, a growth factor, and an inhibitory factor.
6. The apparatus according to claim 1, wherein the hollow has a cylindrical, inverted circular truncated conic, prismatic, or inverted truncated pyramidal shape.
7. The apparatus according to claim 6, wherein the height of the hollow

is at least a quarter of a diameter or length of a diagonal of the bottom of the hollow where the surface of the container is bared.

8. The apparatus according to claim 1, wherein on the bared part of the surface of the container, an electrode is pasted or printed.

9. The apparatus according to claim 1, wherein the member (x) further has at least one member selected from the group consisting of a hole where the surface of the container in the concave part is not bared and a large hollow that has a volume larger than that of the hollow.

10. A process for preparing an apparatus for culture comprising:  
step (a) of placing within a concave part of a container an article that can cover a part of a surface of the container and has a certain height;  
step (b) of pouring into the concave part a solution that contains culture medium components and that can be gelatinized; and  
step (c) of gelatinizing the solution.

11. The process according to claim 10, wherein the solution further comprises at least one substance to be examined.

12. The process according to claim 10, which further comprises step (d) of removing the article wherein the step (d) is conducted after the step (c).

13. The process according to claim 10, wherein the container has an electrode that has been pasted or printed on the surface of the container in the concave part and in step (a) the article is placed so that it covers at least a part of the electrode.

14. The process according to claim 10, which further comprises step (e) of (i) holing a part of a layer that has been made by gelatinizing the solution to form a hole where a surface of the container in the concave part is not bared

or (ii) hollowing a part of a layer that has been made by gelatinizing the solution to form a large hollow which has a volume larger than that of a hollow which is made by removing the article and by which a part of a surface of the container in the concave part is bared, wherein the step (e) is conducted after the step (c).

15. A process for preparing an apparatus for culture comprising:  
step (A) of making within a concave part of a container a layer of at least one member (x) selected from the group consisting of a gelatinous material, a sponge material, and a mesh material, wherein the member (x) holds a solution that contains culture medium components; and  
step (B) of hollowing a part of the layer so that a part of a surface of the container in the concave part is bared to form a hollow.

16. The process according to claim 15, wherein the layer is composed of a sponge material and/or a mesh material, and the step (A) comprises impregnating the solution into the sponge material and/or the mesh material.

17. A process for preparing an apparatus for culture comprising:  
step (I) of making within a concave part of a container a layer of at least one member (x) selected from the group consisting of a gelatinous material, a sponge material, and a mesh material;  
step (II) of hollowing a part of the layer so that a part of a surface of the container in the concave part is bared to form a hollow; and  
step (III) of impregnating a solution that contains culture medium components into the layer.

18. A process for preparing an apparatus for culture comprising:

step (1) of making a hollow in a layered sponge or mesh material;

step (2) of placing the layered sponge or mesh material in a concave part of a container; and

step (3) of impregnating a solution that contains culture medium components into the layered sponge or mesh material.

19. A kit for making an apparatus for culture comprising a container having at least one concave part, medium components, a substance of which aqueous solution can be gelatinized, and (i) at least one article that can cover a part of a surface of the container in the concave part and has a certain height or (ii) a tool for hollowing a part of a layered gelatinous material which is made by gelatinizing an aqueous solution of the substance.

20. A flat substrate for culture, which is made of a sponge or mesh material, which has a hollow, and within which culture medium components or at least one substance to be examined are held.